PROJECT DESCRIPTION GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 182 (LAYHILL ROAD) AT MIDDLEVALE LANE IN MONTGOMERY COUNTY.

INTERSECTION OPERATION

A CONTROLLER HOUSED IN A BASE MOUNTED CABINET IS INSTALLED AT THIS LOCATION. THE INTERSECTION WILL OPERATE IN A FULLY ACTUATED MODE USING 4 NEMA PHASES. THE NEMA PHASING SHALL BE MODIFIED TO INCLUDE NEW NEMA PHASES 4 AND 8 FOR THE EAST AND WEST BOUND APPROACHES. AUDIBLE PEDESTRIAN SIGNALS SHALL BE INSTALLED AT THE INTERSECTION FOR THE PEDESTRIAN CROSSINGS OF MD 182 (LAYHILL ROAD). VEHICULAR TRAFFIC SIGNAL HEAD SECTIONS SHALL BE UPGRADED TO BLACK FACE FOR ALL INTERSECTION APPROCHES.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

PHONE: (301) 279-1971

MR. JEFFERY WENTZ, ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (301) 513-7358, (301) 513-7318
MR. KEVIN NOWAK, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION PHONE: (301) 513-7336 MR. WAYNE A. MOWDY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (301) 513-7304
MR. AUGIE REBISH, UTILITY ENGINEER
PHONE: (301) 513-7350 MR. KAMAL HAMUD, TRAFFIC ENGINEER MCDPW&T PHONE: (240) 777-2190 MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630 MR. KEITH LORD, MONTGOMERY COUNTY DPW&T

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

ITEM NO.	DESCRIPTION	•	UNITS	QUANTITY
9002 9570	NEMA LOAD SWITCH SHEET ALUMINUM GROUND MOUNT SIGN W11-2 (36" X 36")		EA SF	1 47
9571	SHIELD ASSEMBLY (30" X 51") SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN SHIELD ASSEMBLY (48" X 75")		SF	29
9572	R10-4(1) "Layhill Road" SHEET ALUMINUM SPAN MOUNTED SIGN D-3(1) (VAR. X 16")		SF	10

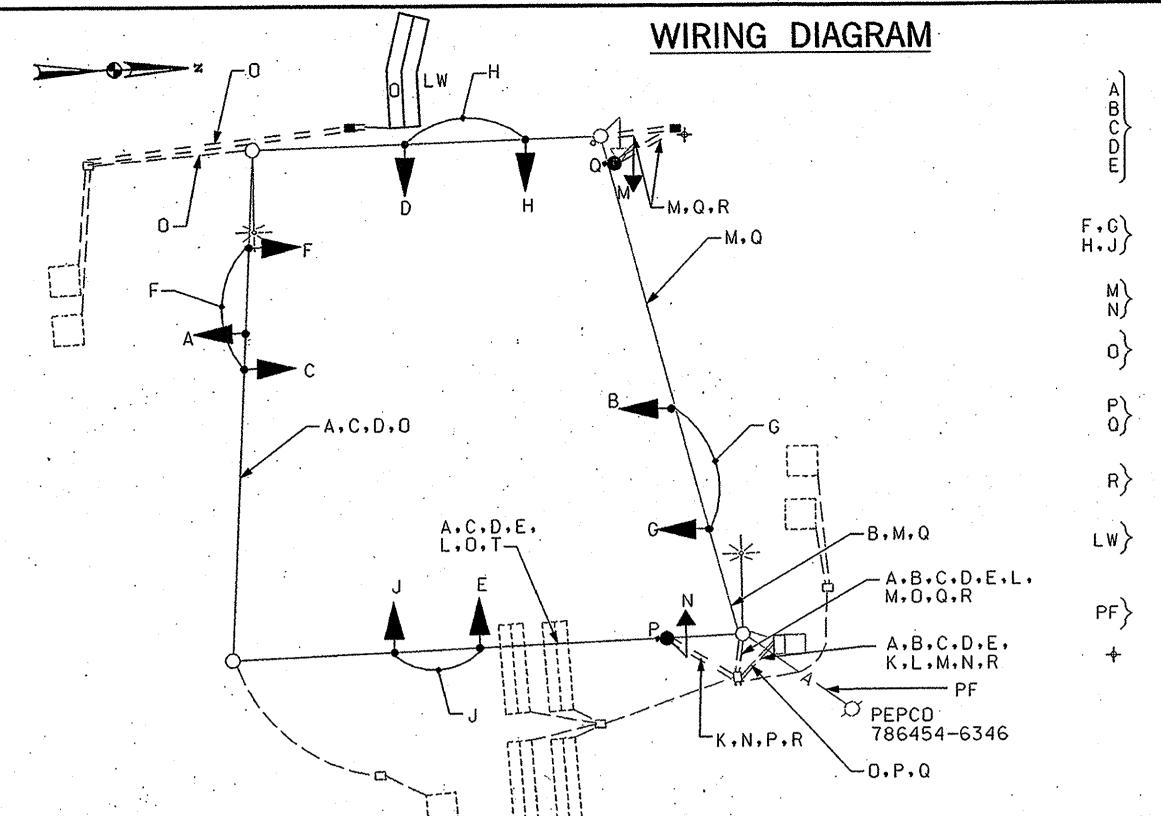
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

	B. EQUIPMENT	TO DE FURNISHED AND/OR INSTALLED DI THE CONTRACTOR.		
	ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	1001 2002	MAINTENANCE OF TRAFFIC TEST PIT EXCAVATION	EA CY	1 2
A CONTRACTOR OF THE CONTRACTOR	5003 5004 5005 6003 8002 8003 8006 8014 8015 8016 8024 8028 8037 8038 8040 8042 8043 8049 8043 8049 8063 8064 8062 8070 8075 8076 8078	F&I 12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS F&I 24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS ANY WIDTH F&I 4 INCH CONCRETE SIDEWALK 12 INCH VEHICULAR RED OR GREEN LED TRAFFIC SIGNAL HEAD SECTION 12 INCH VEHICULAR YELLOW LED TRAFFIC SIGNAL HEAD SECTION 13 INCH VEHICULAR YELLOW LED TRAFFIC SIGNAL HEAD SECTION 14 INCH VEHICULAR YELLOW LED TRAFFIC SIGNAL HEAD SECTION 15 INCH VEHICULAR YELLOW LED TRAFFIC SIGNAL HEAD SECTION 16 INCH VEHICULAR YELLOW LED TRAFFIC SIGNAL HEAD SECTION 17 INCH STEEL PEDESTRIAN PUSHBUITTON STATION & SIGN 18 INCH PEDESTRIAN LED COUNTDOWN SIGNAL HEAD SECTION — POLE MOUNT 18 INCH PEDESTRIAN LED COUNTDOWN SIGNAL HEAD SECTION — POLE MOUNT 18 INCH SENSITING SIGN 18 INCH SENSITING SIGN 18 INCH SENSITING SIGN 18 INCH SCHED SIGN SUPPORTS 4 INCH X 6 INCH 18 INCH SCHED 80 PVC CONDUIT—TRENCHED 18 INCH LIQUID TIGHT FLEXIBLE NON—METALLIC CONDUIT FOR DETECTOR SLEEVE 18 INSTALL OVERHEAD SIGN 18 INSTALL OVERHEAD SIGN 18 INSTALL OVERHEAD SIGN 18 INSTALL OVERHEAD SIGN 18 INCH SIGN SIGN SIGN SIGN SIGN SIGN SIGN SIGN	LLLSEEEEEELSSCSLLLSSEELLL	275 12 440 250 18 9 1 22 1 20 425 110 5 7 3 2 3 5 3 5 3 5 3 5 5 3 5 5 5 5 5 5 5 5
	8080 8081 8085	F&I LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG) SAW CUT FOR SIGNAL LOOP DETECTOR FURNISH AND INSTALL STEEL SPAN WIRE 1/4" IN DIAMETER	LF LF LF	450 120 500

ITEM NO.

DESCRIPTION

QUANTITY



USE EXISTING 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

USE EXISTING 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

2 CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED)

2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

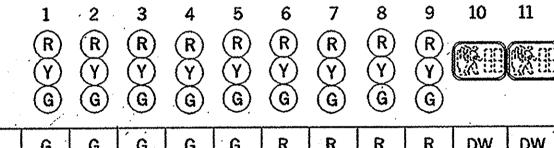
1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE

LOOP WIRE

EXISTING POWER FEED

GROUND ROD

PHASE CHART



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PHASE 2 AND 6	G	G	G	G	G	Ŗ	R	R	R	DW	DW	
2 AND 6 CHANGE	Y	Υ	Υ	Υ	Ϋ́	R	R	R	R	DW.	DW	T
PHASE 4 AND 8	R,	R	R	R	R	G	G	G	G	DW	DW	A
4 AND 8 CHANGE	R	R	·R	R	R	Υ	Υ	Y	Υ	DW	DW	- V
PHASE 4 AND 8 ALT	R	R	R	R	,R	G	G	G	G	WK	WK	Ι Δ?
PED CLEARANCE / COUNTDOWN	R	R	R	R	R	G	G	G	G	FL/DW	FL⁄DW	
4 AND 8 ALT CHANGE	R	R	R	R	R	Υ	y	Υ	Υ	DW	DW	▼ 10
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FLY	FL/R	FL/R	FL/R	FL/R	DARK	DARK	† <u>\</u>



MD 182 (LAYHILL ROAD) AND

MIDDLEVALE LANE
LAYHILL, MARYLAND

SHEET NO. 2 OF 2

GENERAL INFORMATION PLAN

CONTRACT NO. AT7825185

7 SABRA, WANG & ASSOCIATES, IN
1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227
(410) 737-6564

WWW.SABRA-WANG.COM

COUNTY MONTGOMERY DESIGNED BY _____S. SMITH : LOGMILE 15018201.55 T.I.M.S. NO. ____H093 TOD NO.